

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	§	Attorney Docket No. DBS-109
	§	
Leif Akesson and Antonio Carosielli	§	
	§	Group Art Unit: 3672
Serial No.: 09/521,408	§	
	§	
Filing Date: 03/08/00	§	
	§	
For: Borehole Opener	§	Examiner: F. Tsay

**REQUEST FOR CERTIFICATE OF CORRECTION OF OFFICE MISTAKE**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 CFR 1.322, applicant requests a Certificate of Correction to correct a mistake in a patent, incurred through the fault of the office, which mistake is clearly disclosed in the records of the Office.

The patent on the referenced application issued without reflecting applicant's claim for priority under 35 U.S.C. §119.

A copy of the first page of the patent as issued confirms the absence of the notice of the claim for priority.

A copy of the combined declaration and Power of Attorney filed with the application is enclosed. The combined declaration and Power of Attorney claims foreign

priority under 35 U.S.C. §119 based on an application filed in Belgium bearing application No. 09900163 filed on 9 March 1999.

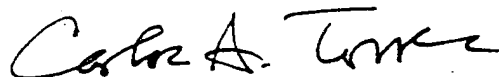
A copy of the application filing receipt showing applicant's claiming continuing data based on the Belgium patent application is also enclosed.

Applicant was unaware that the patent that was to issue on the referenced application did not contain the claim for priority until receipt of the issued patent.

It is believed that no fee is required to accompany this present request for correction.

If any fee is required, the Office is hereby authorized to charge any such cost to deposit account No. 02-4345. A duplicate copy of this request is enclosed.

Respectfully submitted,



Carlos A. Torres  
Reg. No. 24,264

Date: July 11, 2002

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US006360831B1

(12) **United States Patent**  
**Åkesson et al.**

(10) **Patent No.:** US 6,360,831 B1  
(45) **Date of Patent:** Mar. 26, 2002

(54) **BOREHOLE OPENER**

(75) **Inventors:** Leif Åkesson, Sandnes (NO); Antonio Carosielli, Chapelle-Lez-Herlaimont (BE)

(73) **Assignee:** Halliburton Energy Services, Inc., Carrollton, TX (US)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 09/521,408

(22) **Filed:** Mar. 8, 2000

(51) **Int. Cl.<sup>7</sup>** ..... E21B 7/28

(52) **U.S. Cl.** ..... 175/269; 175/271

(58) **Field of Search** ..... 175/267, 291, 175/320, 269, 279, 271, 273, 274

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,438,673 A	3/1948	McMahan
3,556,233 A	1/1971	Gilreath et al.
3,974,886 A	8/1976	Blake, Jr.
4,186,810 A	2/1980	Allan

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4,821,817 A	4/1989	Cendre et al.
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5,271,472 A	12/1993	Leturno

**FOREIGN PATENT DOCUMENTS**

GB 2128657 A 5/1984

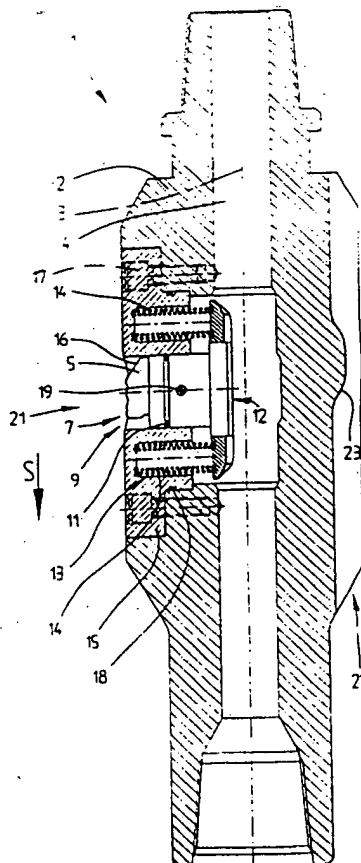
*Primary Examiner*—Frank Tsay

(74) *Attorney, Agent, or Firm*—Browning Bushman P.C.

(57) **ABSTRACT**

Borehole opener, particularly for enlarging this hole underneath a casing in the field of oil prospecting, comprising a body (2) of longitudinal axis (3), a duct (4) for drilling fluid, formed longitudinally in the body (2), and at least two hole-opening arms (5) which have an active part (7) equipped with cutting means (8), which are distributed symmetrically in the body (2) about the longitudinal axis (3), and which are arranged therein in such a way that they can be moved between a position of rest (9) in the body (2) and an active position (10) partially out of the body (2); in this hole opener in order to move it from the position of rest (9) to the active position (10), each arm (5) has a face (12), internal to the body (2), designed to be subjected directly, in the same way as an active face of a piston, to the pressure of the drilling fluid flowing through the body (2).

**10 Claims, 3 Drawing Sheets**



# COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

## TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
- ☐ design
- ☐ supplemental

*NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items.*

- ☐ national stage of PCT

*NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP*

- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part (CIP)

## INVENTORSHIP IDENTIFICATION

**WARNING:** *If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TITLE OF INVENTION

Borehole opener

## SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☐ is attached hereto.
- (b) ☒ was filed on March 8, 2000, as (X) Serial No. 09/521,408, or  
( ) Express Mail No., as Serial No. not yet known \_\_\_\_\_ and was amended  
on \_\_\_\_\_ (if applicable).

*NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. §1.67.*

- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_  
(if any).

#### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

- ☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR §1.97.

#### PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☐ no such applications have been filed.
- (e) ☒ such applications have been filed as follows.

**NOTE:** Where item (e) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NO.	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
BE	09900163	9 March 1999	

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

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## POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

C. James Bushman, Reg. No. 24,810; Loren G. Helmreich, Reg. No. 29,389;  
and Carlos A. Torres, Reg. No. 24,264

( ) Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:  
(Name and telephone number)

Carlos A. Torres  
Browning Bushman  
5718 Westheimer, Suite 1800  
Houston, TX 77057

Carlos A. Torres  
(713) 266-5593

### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE(S)

Full Name of Sole or First Inventor: AKESSON Leif

Inventor's Signature: *Leif A. Akeson*

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(month/day/year)

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Inventor's Signature: *Antonio Carosielli*

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CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

- ☐ Signature for third and subsequent joint inventors. Number of pages added \_\_\_\_\_.
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added \_\_\_\_\_.
- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 437 CFR §1.47. Number of pages added \_\_\_\_\_.

\* \* \*

- ☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

- ☐ Authorization of attorney(s) to accept and follow instructions from representative.

\* \* \*

If no further pages form a part of this Declaration then end this Declaration with this page and check the following item.

☒ This declaration ends with this page.

## FILING RECEIPT



\*OC000000005215167\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND  
COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/521,408	03/08/2000	3672	1080	DBS-109	3	10	1

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Date Mailed: 06/30/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Leif Akesson, Sandnes, NORWAY;  
Antonio Carosielli, Chapelle-Lez-Herlaimont, BELGIUM;

## Continuing Data as Claimed by Applicant

## Foreign Applications

BELGIUM 09900163 03/09/1999

If Required, Foreign Filing License Granted 05/05/2000

## Title

Borehole opener

## Preliminary Class

175

Data entry by : MIDDLETON, MATTIE

Team : OIPE

Date: 06/30/2000

